IN THE CLAIMS

PLEASE AMEND THE CLAIMS AS FOLLOWS:

1. (currently amended) A method of classifying a message transmitted over a network, comprising:

executing instructions stored in a computer readable storage medium to determine ~~determining~~ the domain from which the message is purported to be sent;

executing instructions stored in a computer readable storage medium to determine ~~determining~~ an IP address from the message, the IP address corresponding to a device which the message was relayed at some point in transmission of the message;

executing instructions stored in a computer readable storage medium to associate ~~associating~~ the domain with the IP address to create an IP address and domain pair;

executing instructions stored in a computer readable storage medium to classify ~~classifying~~ the message ~~using~~ according to the IP address and domain pair based on one or more classification variables associated with the IP address and domain pair; and

executing instructions stored in a computer readable storage medium to assign ~~assigning~~ a score to the IP address and domain pair, the score comprising a ratio of a first classification variable to a second classification variable, the one or more classification variables decaying with time.

2. (currently amended) The method of claim 1, further comprising executing instructions in a computer readable storage medium to override ~~overriding~~ a white list based on the classification.

3. (previously presented) The method of claim 1, wherein classifying includes comparing the IP address and domain pair with a related IP address and domain pair.

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4. (previously presented) The method of claim 1, wherein classifying includes checking classifications of other messages associated with the domain and different IP addresses.

5. (original) The method of claim 1, wherein a plurality of IP addresses is associated with the domain.

6. (original) The method of claim 1, wherein the IP address is associated with a plurality of domains.

7. (original) The method of claim 1, wherein the IP address is a boundary IP address.

8. (original) The method of claim 1, wherein the IP address is preconfigured.

9. (original) The method of claim 1, wherein the IP address is preconfigured to be one hop from a gateway IP address.

10. (original) The method of claim 1, wherein the IP address is learned.

11. (original) The method of claim 1, wherein the IP address is adaptively determined.

12. (cancelled).

13. (previously presented) The method of claim 1, wherein the IP address is a boundary IP address.

14. (previously presented) The method of claim 1, wherein determining the domain from which the message is purported to be sent includes identifying the stated sender domain associated with the message.

15. (previously presented) The method of claim 1, wherein the domain is a domain associated with a boundary IP address.

16. (original) The method of claim 1, wherein classifying includes consulting a white list.

17. (original) The method of claim 1, wherein classifying includes classifying the message based on previous classifications made to the IP address and domain pair.

18. (cancelled)

19. (currently amended) The method of claim 1, wherein ~~classifying~~ <u>assigning the score</u> includes determining a spam ratio.

20. (currently amended) The method of claim 1, wherein ~~classifying~~ <u>assigning the score</u> includes determining a spam rate.

21. (currently amended) The method of claim 1, wherein ~~classifying~~ <u>assigning the score</u> includes determining an estimated instantaneous spam rate.

22. (cancelled)

23. (currently amended) The method of claim 1, wherein classifying includes giving a classification<u> variable</u> greater weight relative to another classification <u>variable</u>.

24. (currently amended) The method of claim 1, wherein classifying includes giving a <u>classification variable associated with </u>user classification greater weight relative to a <u>classification variable associated with </u>computer classification.

25. (original) The method of claim 1, wherein classifying includes giving an indeterminate classification a fraction of the weight of a good classification.

26. (original) The method of claim 1, wherein classifying includes consulting a table indexed by IP address and domain.

27. (original) The method of claim 1, wherein classifying includes consulting a table indexed by IP address and domain wherein each cell includes information about previous classifications.

28. (previously presented) The method of claim 1, further comprising providing a classification based on the IP address and domain pair as input to another classifier.

29. (previously presented) The method of claim 1, further including providing a classification based on the IP address and domain pair as input to a Bayesian classifier.

30. (original) The method of claim 1, wherein classifying includes classifying the message based on the IP address.

31. (original) The method of claim 1, wherein classifying includes classifying the message based on the domain.

32. (original) The method of claim 1, wherein classifying includes classifying the message based on the domain and determining that the message was forged.

33. (original) The method of claim 1, wherein classifying includes determining a score for the IP address.

34. (original) The method of claim 1, wherein classifying includes determining a score for the domain.

35. (currently amended) A computer-readable storage medium having embodied thereon a program, the program being executable by a processor to perform a method for classifying a message, the method comprising:

determining a domain from which the message is purported to be sent;

determining an IP address from which the message was relayed at some point in transmission of the message;

associating the domain with the IP address to create an IP address and domain pair;

classifying the message ~~using~~ according to the IP address and domain pair based on one or more classification variables associated with the IP address and domain pair; and

assigning a score to the IP address and domain pair, the score comprising a ratio of a first classification variable to a second classification variable, the one or more classification variables decayed with time.

36. (cancelled)